

Job Hazard Analysis

JOB TITLE: Welder, Electric Powered

DATE OF ANALYSIS: 4/9/12

JOB LOCATION: DMC/FSDA

TASK/PROCEDURE	HAZARD	SAFE PROCEDURE
The electric welder is typically used to permanently bond metal parts together by introducing a filler metal onto a super heated surface. Temperatures can range as high as 1000 degrees at the point of contact where the electrode and filler metal make contact with the working surface. Heat is created by electrical resistance created by electrical current transference from positive to negative.	<p>Severe burn to exposed skin and eyes from exposure to heat and ultraviolet light</p> <p>Severe burns from contact with hot surfaces</p> <p>Electrical shock from defective power cord or faulty ground</p> <p>Slips, Trips, and Falls resulting from poor housekeeping and organization in the work area</p> <p>Foot injury from falling parts and hot slag</p> <p>Respiratory hazards due to inhalation of hazardous fumes and gases produced from the welding process</p>	<p>Never attempt to use an electric welder without proper training. Training must include lecture and practical demonstration.</p> <p>Appropriate PPE is critical to welding operations. Respiratory protection, dark tinted protective eyewear, solid face shield, heavy duty gloves, protective apron, and safety footwear are required.</p> <p>Inspect all equipment and components to ensure safe operating condition. Never attempt to use faulty equipment. Repairs must be made by a trained technician.</p> <p>Keep the work area clean and free of tripping hazards.</p> <p>Protect power cords and welding leads from damage.</p> <p>Never attempt to lift a load too heavy for your capabilities. Get help and/or use a dolly if needed</p> <p>Remove flammable materials from the work area</p> <p>Use a Hot Works permit program with a safety watch to help prevent fires</p> <p>Ensure proper fire extinguisher is readily available and accessible.</p> <p>Pay attention and take time to work safe.</p>